

August 20, 2010

4:22:48PM

Client: Exxonmobil Everett Terminal
52 Beacham Street
Everett, MA 02149
Attn: Arthur Powers

Work Order: NTH0700
Project Name: Everett Terminal
Project Nbr: NPDES Permt MA0000833
P/O Nbr:
Date Received: 08/07/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Outfall 001A - Diluent	NTH0700-01	08/06/10 11:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

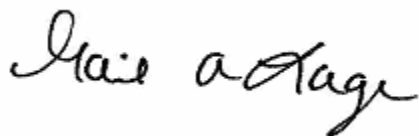
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Gail A Lage

Program Manager - National Accounts

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ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTH0700-01 (Outfall 001A - Diluent - Water) Sampled: 08/06/10 11:30								
General Chemistry Parameters								
Ammonia as N	0.203		mg/L	0.100	1	08/20/10 10:58	EPA 350.1M	10H3092
Residual Chlorine	ND	HTI	mg/L	0.100	1	08/16/10 15:14	SM 4500Cl G	10H2667
Total Organic Carbon	1.52		mg/L	1.00	1	08/12/10 16:33	SM5310 B	10H1999
Total Suspended Solids	2.70		mg/L	1.00	1	08/11/10 17:40	SM2540 D	10H1741

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
10H1741-BLK1						
Total Suspended Solids	<0.500		mg/L	10H1741	10H1741-BLK1	08/11/10 17:40
10H1999-BLK1						
Total Organic Carbon	<0.500		mg/L	10H1999	10H1999-BLK1	08/12/10 16:33
10H2667-BLK1						
Residual Chlorine	0.00910		mg/L	10H2667	10H2667-BLK1	08/16/10 15:14
10H3092-BLK1						
Ammonia as N	<0.0640		mg/L	10H3092	10H3092-BLK1	08/20/10 10:42

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PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
10H1741-DUP1										
Total Suspended Solids	1.90	0.700	R4	mg/L	92	5	10H1741	NTH0678-01		08/11/10 17:40
10H1741-DUP2										
Total Suspended Solids	61.0	75.0	R2	mg/L	21	5	10H1741	NTH0799-01		08/11/10 17:40
10H1999-DUP1										
Total Organic Carbon	1.71	1.56		mg/L	9	20	10H1999	NTH0249-01		08/12/10 16:33
10H2667-DUP1										
Residual Chlorine	0.0396	0.0377	HT1, R2	mg/L	5	2	10H2667	NTH0154-01		08/16/10 15:14
10H3092-DUP1										
Ammonia as N	1.06	0.994		mg/L	6	41	10H3092	NTH0712-01		08/20/10 11:01

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PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
10H1741-BS1								
Total Suspended Solids	100	93.0		mg/L	93%	90 - 110	10H1741	08/11/10 17:40
10H1999-BS1								
Total Organic Carbon	10.0	9.80		mg/L	98%	90 - 110	10H1999	08/12/10 16:33
10H2667-BS1								
Residual Chlorine	0.200	0.217		mg/L	109%	90 - 110	10H2667	08/16/10 15:14
10H3092-BS1								
Ammonia as N	5.00	5.14		mg/L	103%	90 - 110	10H3092	08/20/10 10:43

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PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
10H1741-BSD1												
Total Suspended Solids		92.0		mg/L	100	92%	90 - 110	1	20	10H1741		08/11/10 17:40
10H1999-BSD1												
Total Organic Carbon		9.82		mg/L	10.0	98%	90 - 110	0.2	20	10H1999		08/12/10 16:33

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PROJECT QUALITY CONTROL DATA

Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
10H1999-MS1										
Total Organic Carbon	3.10	23.4		mg/L	20.0	101%	74 - 134	10H1999	NTH0841-01	08/12/10 16:33
10H3092-MS1										
Ammonia as N	0.203	5.73	M7	mg/L	5.00	111%	90 - 110	10H3092	NTH0700-01	08/20/10 10:59

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PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
10H1999-MSD1												
Total Organic Carbon	3.10	23.6		mg/L	20.0	103%	74 - 134	0.9	20	10H1999	NTH0841-01	08/12/10 16:33
10H3092-MSD1												
Ammonia as N	0.203	5.53		mg/L	5.00	107%	90 - 110	4	41	10H3092	NTH0700-01	08/20/10 11:00

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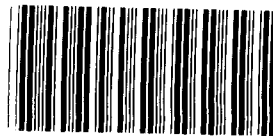
DATA QUALIFIERS AND DEFINITIONS

HTI The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.
M7 The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2 The RPD exceeded the acceptance limit.
R4 Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

350.1 M - M = Ammonia-Nitrogen method modified for midi-distillation with Lachat Procedure 10-107-06-1-A.

COOLER



NTH0700

Cooler Received/Opened On 8/7/2010 @ 0830

1. Tracking # 3307 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 3.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES...NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____

I certify that I attached a label with the unique LIMS number to each container (initial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES NO # _____

TestAmerica

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

NTH0700
08/23/10 23:59

Consultant Name: ExxonMobil Everett Terminal

Address: 52 Beacham Street

City/State/Zip: Everett, MA 02149

ExxonMobil Project Mgr: Arthur E. Powers

Consultant Project Mgr: Thumvirate - Veech Srang (Call (617) 799-4357 for sample related questions)

Consultant Telephone Number: 617-381-2802

Sampler Name: (Print)

Sampler Signature:

Fax No.: 617-381-2954

Regulatory District (CA)

TA Account #:

Invoice To: [ExxonMobil PM unless otherwise indicated]

Report To: arthur.f.powers@exxonmobil.com

PO #:

PROJECT #: NPDES Permit MA0000633

Facility ID #

Site Address SAME

City, State, Zip

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze For:										RUSH TAT (Pre-Schedule) *	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
							Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	HNO ₃ (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	TSS by SM 2540 D	TOC - Method 5310B	Ammonia 350.1 Rev. 2.0 (1993)	TRC by EPA 330.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Comments/Special Instructions:
Laboratory case narrative to NELAC Institute standard protocol

This is a natural water in the diluent sample. Submitly approx 35 ppt.

Field/In-lab by: <i>Arthur E. Powers</i>	Date: 8/6/10	Time: 11:30	Received by: <i>Arthur E. Powers</i>	Date: 8/6/10	Time: 2:30
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Laboratory Comments:			
Temperature Upon Receipt:	Level 2	Level 3	Level 4
Sample Containers Intact?	Y		
VOCs Free of Headspaces?	Y		
QC Deliverables (Please circle one)			
It will be the responsibility of ExxonMobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted.			
TA Project Manager:	Date:	PH:	TRC:

Outfall 001A - Diluent